

Companies that trust in us

ALSTOM

ARS
ALTMANN

BERNMOBIL
ZUSAMMEN UNTERWEGS

中国中车
CRRC

DB

GLEISBAUMECHANIK

GMEINDER
LOKOMOTIVEN

HARSCO

HeiterBlick

matterhorn
gotthardbahn

NETINERA
EIN UNTERNEHMEN DER FS-GRUPPE

SBB CFF FFS

SIEMENS

SOB SUDOSTBAHN

STADLER

TUVNORD

vossloh

VTG

WINDHOFF

Die Zentralbahn.

 **cideon**
engineering
making mobility happen

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ideon engineering – we make things possible.

Rail is the backbone of tomorrow's mobility – and comes with unique technical challenges.

- Implementation of internationally standardized systems to support interoperability
- Development of energy-efficient modes of transport to reduce emissions
- Integration of advanced technologies for modern rail product solutions

This requires experienced experts, who understand the ins and outs from every perspective: from conception and construction, all the way through to approval.

Benefit from our experience – and together, let's get the train rolling.

Consulting: Keeping the train rolling

Your problems are our business. We are a team of rail-vehicle specialists and come into play when things get demanding. We find practical solutions that work—from the start of the tendering process to the end of the approval process.

Mechanics: Designing complexity

Rail vehicles are highly complex systems. And they are what we specialize in: We design freight cars, vehicles for passenger transport, and maintenance vehicles. And we have an eye for alternative transport systems.

Electrics, control systems & software: Pioneering technologies

We know the technologies that will move the industry in the future. Benefit from our expertise in functional and system development, wiring planning, software development, type testing and validation.

On-site engineering: Capacities & skills to match your needs

Flexible solutions for your requirements. You receive precisely the support that you need. We offer you the expertise of our team on the legal and contractual terms that suit you.

- ◆ Engineering service provider for manufacturers, operators & suppliers
- ◆ New construction, modernization & conversion
- ◆ Certified in accordance with DIN EN ISO 9001
- ◆ Welding certificate EN 15085-2
- ◆ Adhesive bonding certificate DIN 6701-2
- ◆ ISTQB Certified Tester (Advanced Level – Test Manager)
- ◆ Trained in DIN EN 50126 / 50128 (50657) / 50129
- ◆ Member of the VDB, IZBE, BTS and SWISSRAIL

- ◆ Participation in the DIN standardization committee
- ◆ 3D modeling with all the relevant CAD systems
- ◆ Creation of complete sets of drawings
- ◆ Linear and non-linear strength calculation, as well as multiple-body simulation
- ◆ Creation of functional vehicle concepts for electrics & control system
- ◆ Experienced production support
- ◆ Reliable project management
- ◆ Individual & flexible support by our experts

Our portfolio of services throughout the product life cycle:

Concept	Consulting	Construction & mechanics	Electrics, control systems & software	Construction management	Commissioning	Documentation	Refit
<ul style="list-style-type: none"> • Feasibility studies • Research of normative frameworks & patents • Technical and commercial risk management 	<ul style="list-style-type: none"> • Creation of expertise • Sustainable solutions • Support with tendering and quotation 	<ul style="list-style-type: none"> • Vehicle construction • Bogie development • System integration • Strength calculation • Construction gauge calculation • Multiple-body simulation 	<ul style="list-style-type: none"> • Vehicle electrics • System development (sub-systems) • Circuit planning • Software development • Testing & validation 	<ul style="list-style-type: none"> • Production concept • Construction of apparatus • Construction management & acceptance on site 	<ul style="list-style-type: none"> • Support with approvals • Safety certification • Acceptance • Testing and validation 	<ul style="list-style-type: none"> • Technical documentation • Maintenance concept • RAMS/LCC 	<ul style="list-style-type: none"> • Fleet modernization • Remotorization